

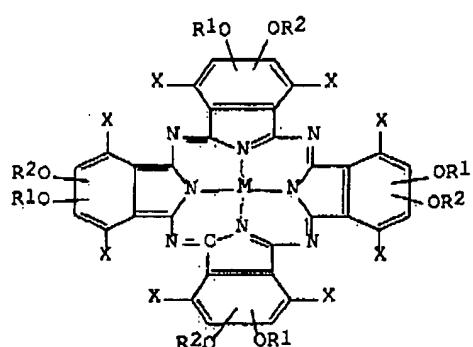
L14 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2003 ACS
 AN 1994:56685 CAPLUS Full-text
 DN 120:56685
 TI Phthalocyanines and their manufacture
 IN Yoshitoshi, Koji; Onozaki, Yoshiho; Kaieda, Osamu
 PA Nippon Catalytic Chem Ind, Japan
 SO Jpn. Kokai Tokkyo Koho, 13 pp.
 CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 05222301	A2	19930831	JP 1992-23541	19920210
JP 3278451	B2	20020430		
PRAI JP 1992-23541		19920210		
OS MARPAT 120:56685				
GI				



AB Phthalocyanines I [X = OR3, SR4; R1-R4 = C1-20 alkyl, C4-6 cycloalkyl, Ph, PhCH2, naphthyl (aromatic rings may be alkyl- or alkoxy- or halo-substituted); it is not the case that R1 = R2 = R3; M = metal, metal oxide, metal halide], near-IR-absorbing with good solvent solubility, are prepared by treating I (X = F) with R3OH or R4SH in an organic solvent. Thus, refluxing vanadyl 3,6-octafluoro-4,5-octaphenoxyphthalocyanine and PhSH in pyridine in the presence of KOH gave 74.5% vanadyl 4,5-octaphenoxy-3,6-octakis(phenylthio)phthalocyanine with absorption λ_{max} 792.5 nm in CHCl3 and solubility 11.5% in CHCl3 and 5.8% in toluene.

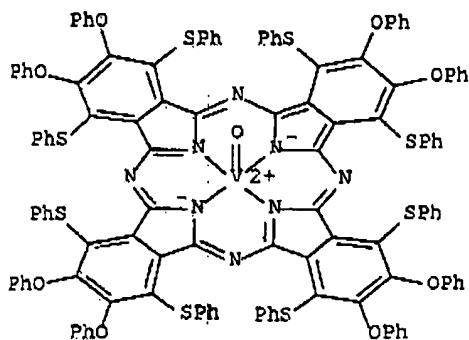
IT 152223-14-8P

RL: IMP (Industrial manufacture); PREP (Preparation)
(preparation of near IR-absorbing, solvent-soluble)

RN 152223-14-8 CAPLUS

CN Vanadium, [2,3,9,10,16,17,23,24-octaphenoxy-1,4,8,11,15,18,22,25-octakis(phenylthio)-29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32]oxo-, (SP-5-12) - (9CI) (CA INDEX NAME)

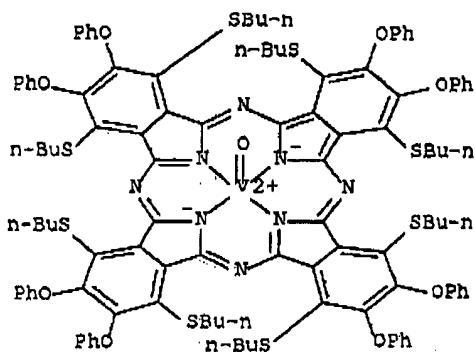
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IT 152223-18-2P

RL: IMF (Industrial manufacture); PREP (Preparation)
(preparation of, near-IR-absorbing, solvent-soluble)

RN 152223-18-2 CAPLUS

CN Vanadium, [1,4,8,11,15,18,22,25-octakis(butylthio)-2,3,9,10,16,17,23,24-octaphenoxy-29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32]oxo-, (SP-5-12)-
(9CI) (CA INDEX NAME)

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